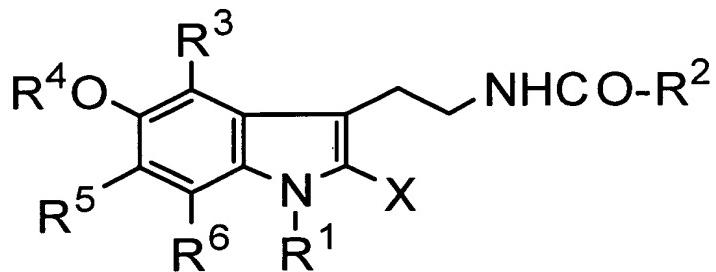


CLAIMS

(1) A therapeutic agent for osteoporosis comprising a compound represented by formula (I) or a pharmaceutically acceptable salt thereof:

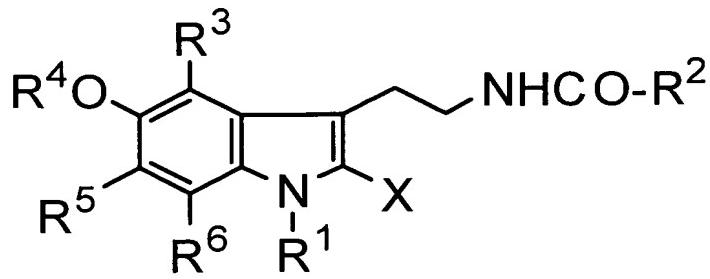


wherein X represents a halogen atom; R¹ represents a hydrogen atom, substituted or unsubstituted C₁₋₆ alkyl, substituted or unsubstituted C₂₋₆ alkenyl, substituted or unsubstituted C₂₋₆ alkynyl, a substituted or unsubstituted aromatic group, substituted or unsubstituted aralkyl, substituted or unsubstituted acyl, substituted or unsubstituted arylsulfonyl, substituted or unsubstituted C₁₋₆ alkylsulfonyl, or hydroxyl; R² represents substituted or unsubstituted C₁₋₂₁ alkyl; R³, R⁵, and R⁶, which may be the same or different, each represent a hydrogen atom or a halogen atom; and R⁴ represents a hydrogen atom or substituted or unsubstituted C₁₋₆ alkyl.

(2) An osteoblast activator comprising the compound represented by formula (I) defined in claim 1 or a salt thereof.

(3) An osteoclast suppressor comprising the compound represented by formula (I) defined in claim 1 or a salt thereof.

(4) A compound represented by formula (I') or a salt thereof:



wherein X represents a halogen atom or a hydrogen atom; R^1 represents a hydrogen atom, substituted or unsubstituted C_{1-6} alkyl, substituted or unsubstituted C_{2-6} alkenyl, substituted or unsubstituted C_{2-6} alkynyl, a substituted or unsubstituted aromatic group, substituted or unsubstituted aralkyl, substituted or unsubstituted acyl, substituted or unsubstituted arylsulfonyl, substituted or unsubstituted C_{1-6} alkylsulfonyl, or hydroxyl; R^2 represents substituted or unsubstituted C_{1-21} alkyl; and R^3 , R^5 and R^6 , which may be the same or different, each represent a hydrogen atom or a halogen atom, provided that, when X represents a hydrogen atom, at least one of R^3 , R^5 and R^6 represents a chlorine atom; and R^4 represents a hydrogen atom or substituted or unsubstituted C_{1-6} alkyl (excluding the compound represented by formula (I') wherein X represents a bromine atom; R^1 represents a hydrogen atom; R^2 represents methyl; R^3 , R^5 and R^6 each represent a hydrogen atom; and R^4 represents methyl; the compound represented by formula (I') wherein X and R^5 each represent a bromine atom; R^1 represents a hydrogen atom; R^2 represents methyl; R^3 and R^6 each represent a hydrogen atom; and R^4 represents methyl; the compound represented by formula (I') wherein X and R^3 each represent a bromine atom; R^1 represents a hydrogen atom; R^2 represents methyl; R^5 and R^6 each represent a hydrogen atom; and R^4 represents methyl; and the compound represented by formula (I') wherein X, R^3 , and R^5 each represent a bromine atom; R^1 represents a hydrogen atom; R^2 represents methyl; R^6 represents a hydrogen atom; and R^4 represents methyl).

(5) The compound represented by formula (I') according to claim 4 or a salt thereof, wherein X represents a bromine atom; R^1 represents substituted or unsubstituted

C_{1-6} alkyl, substituted or unsubstituted C_{2-6} alkenyl, substituted or unsubstituted C_{2-6} alkynyl, a substituted or unsubstituted aromatic group, substituted or unsubstituted aralkyl, substituted or unsubstituted acyl, substituted or unsubstituted arylsulfonyl, or substituted or unsubstituted C_{1-6} alkylsulfonyl; R^2 represents methyl; R^3 , R^5 and R^6 , which may be the same or different, each represent a hydrogen atom or a bromine atom; and R^4 represents methyl.

(6) A pharmaceutical composition comprising, as an active ingredient, the compound according to claim 4 or 5 or a pharmaceutically acceptable salt thereof.